In the name of Allah, the Most Gracious, the Most Merciful



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LE TISSU CONJONCTIF

MLLE ZAOUI.
DR. AISSIOU.
DR. ADJOURI.

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PLAN

- INTRODUCTION.
- LE TISSU CONJONCTIF PROPREMENT DIT.
- LES VARIETES DU TISSU CONJONCTIF PROPREMENT DIT.

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INTRODUCTION.

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- Le tissu conjonctif est le tissu le plus répandu dans l'organisme.
- il est constitué d'un mélange en proportions variables de cellules, de fibres et de substance fondamentale.
- Il est d'origine mésenchymateuse.
- Il assure plusieurs fonctions: La connexion entre les organes, L'emballage, La nutrition…….
- On distingue:

- Le tissu conjonctif proprement dit (avec ses différentes variétés).
- Le tissu conjonctif chondrogène ou ostéogène (tissu squelettique).

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LE TISSU CONJONCTIF PROPREMENT DIT.

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- Le tissu conjonctif proprement dit est formé de:

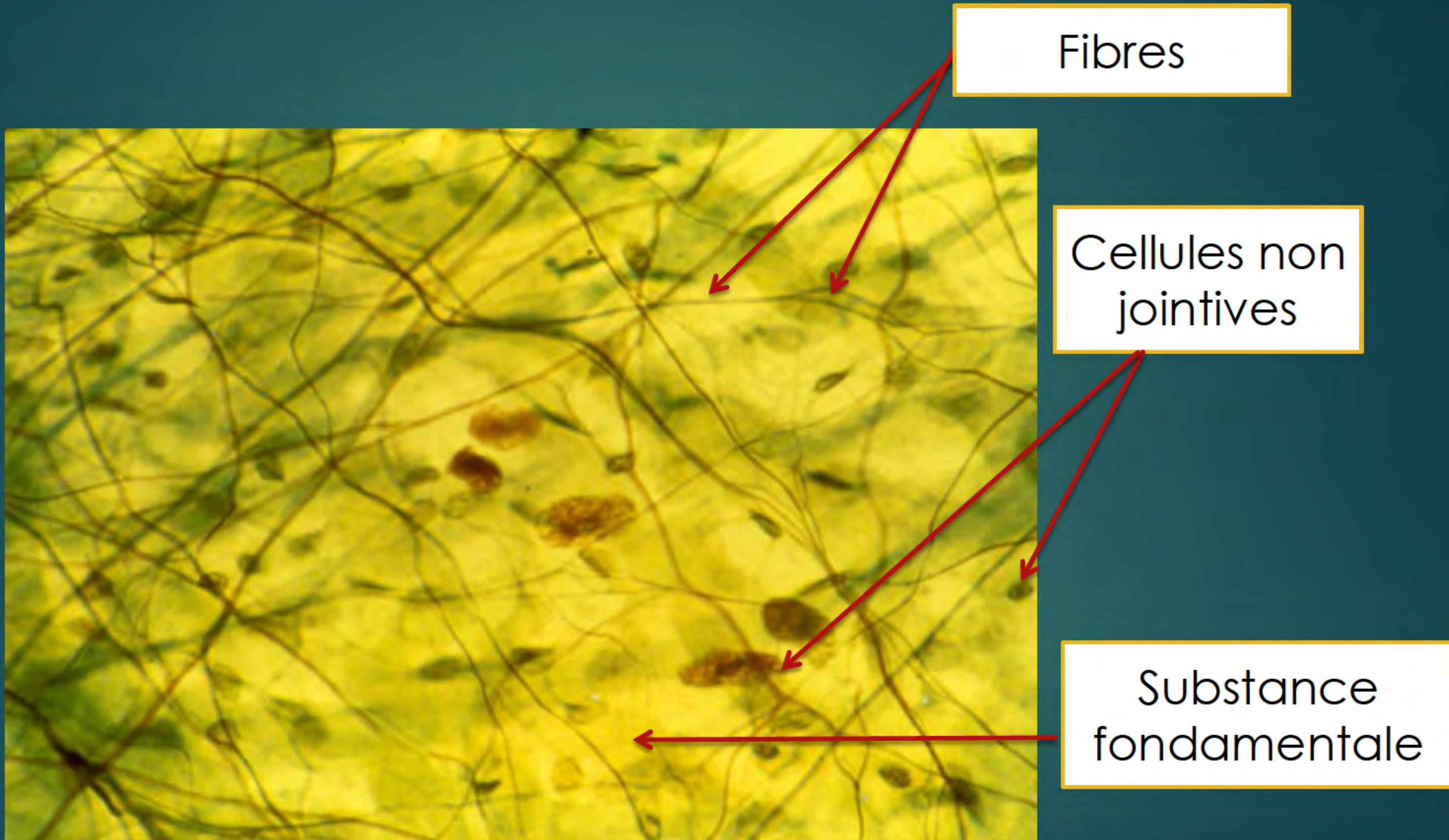
1. Cellules conjonctives non jointives.
2. Fibres conjonctives.
3. Substance fondamentale.

(2. et 3.) → Matrice extracellulaire

- C'est un tissu localisé autour et dans les organes, occupant souvent des espaces sans limites nettes.

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Tissu conjonctif proprement dit

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1. Cellules conjonctives.

A. Cellules autochtones:

- Les cellules fixes: le fibroblaste, le fibrocyte, l'histiocyte et l'adipocyte. (retrouvées dans le tissu conjonctif normal).
- Les cellules mobiles: le plasmocyte, le mastocyte, le macrophage, les cellules géantes d'irritation (cellules de Langhans). (retrouvées dans le tissu conjonctif irrité).

B. Cellules immigrées:

Ce sont des cellules sanguines mobiles qui passent dans le tissu conjonctif. C'est les leucocytes (les granulocytes, les monocytes, et les lymphocytes). (seront traitées avec le Tissu sanguin)

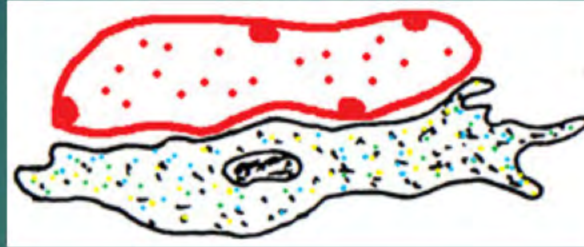
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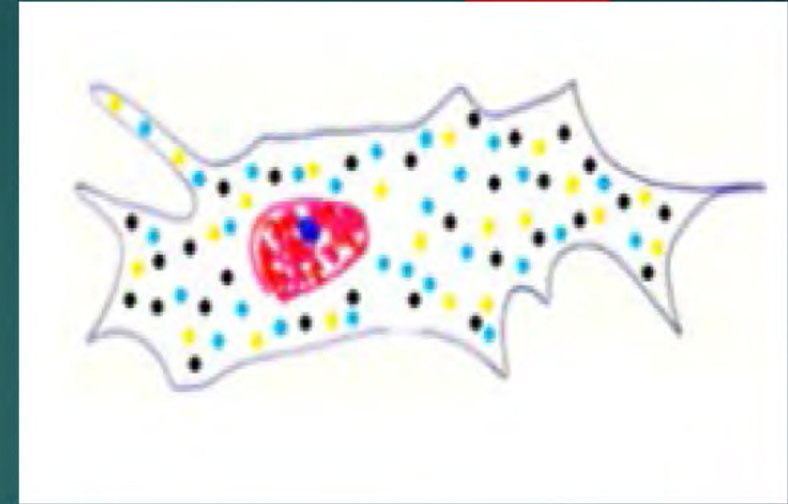
Les cellules fixes:



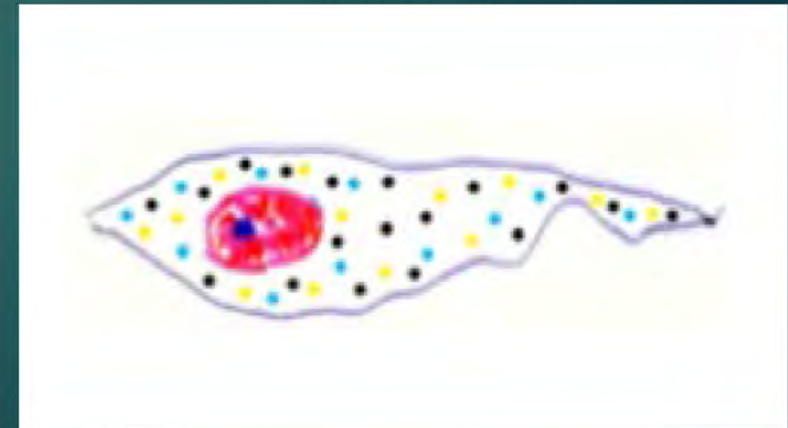
1. La cellule mésenchymateuse



2. Histiocyte



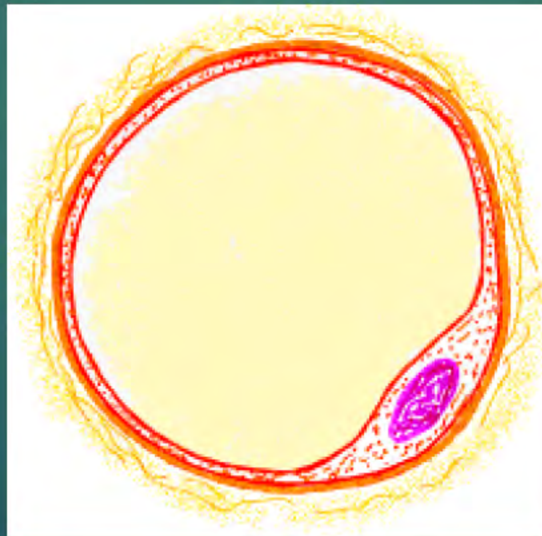
3. Fibroblaste



4. Fibrocyte



5. Adipocyte graisse brune

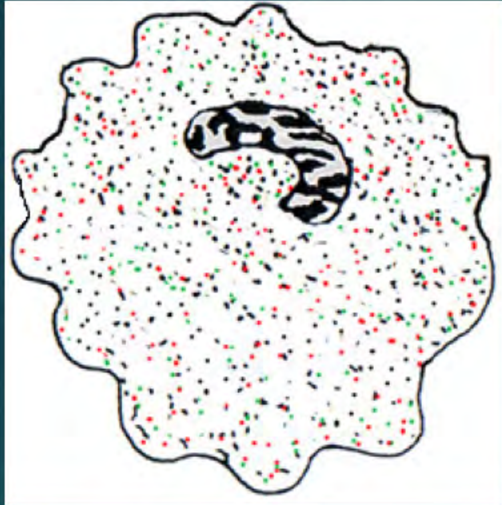


6. Adipocyte graisse blanche

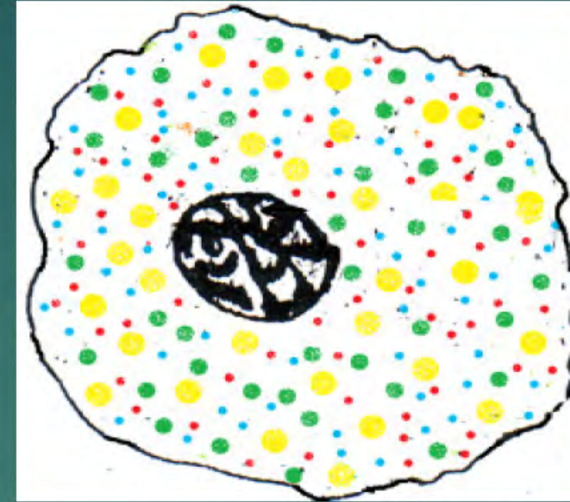
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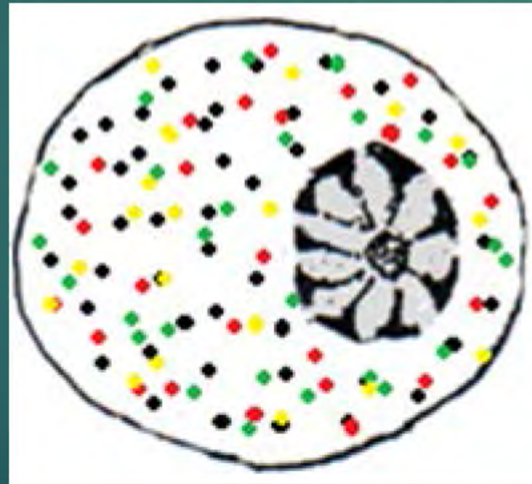
Les cellules mobiles:



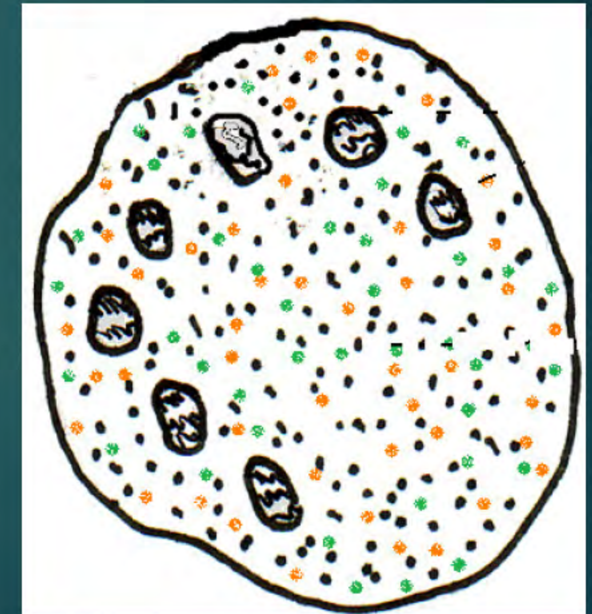
7. Macrophage



9. Mastocyte



8. Plasmocyte

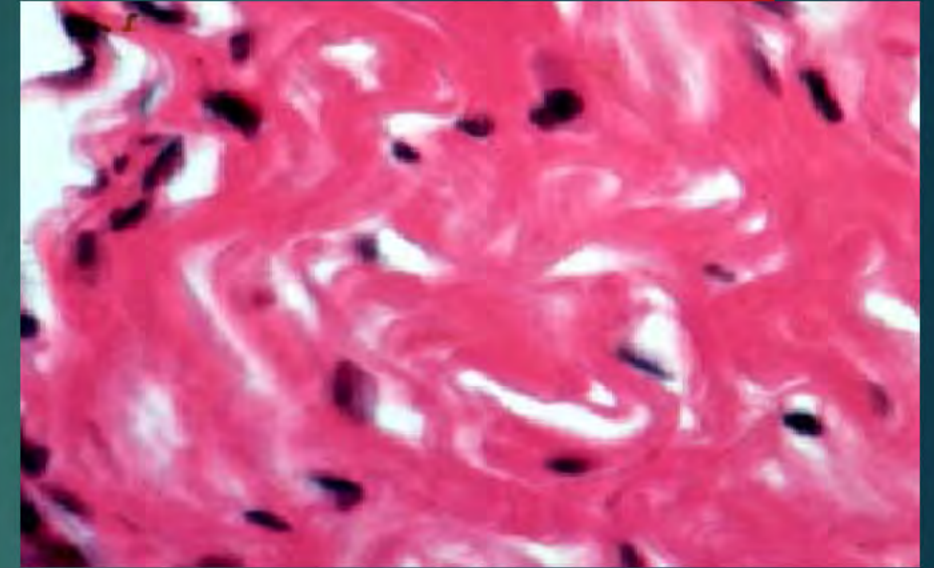


10. Cellule géante d'irritation

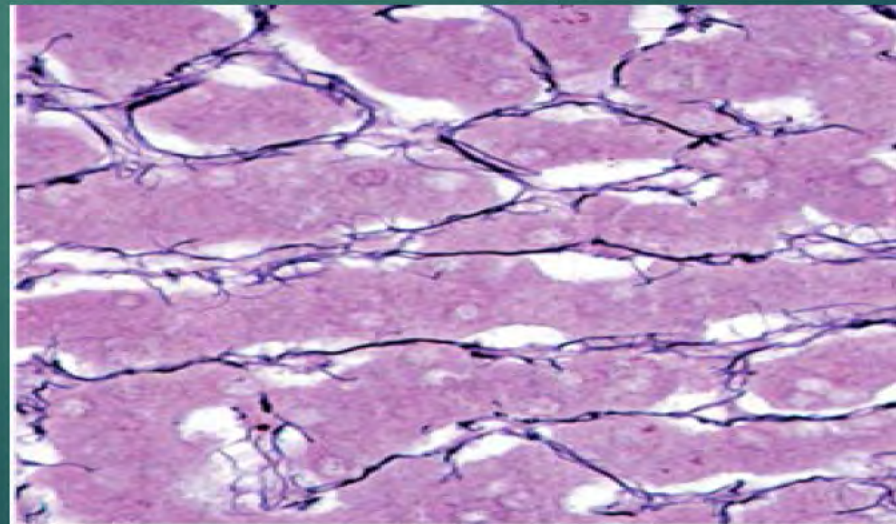
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2. Fibres conjonctives.


Les fibres de collagène.

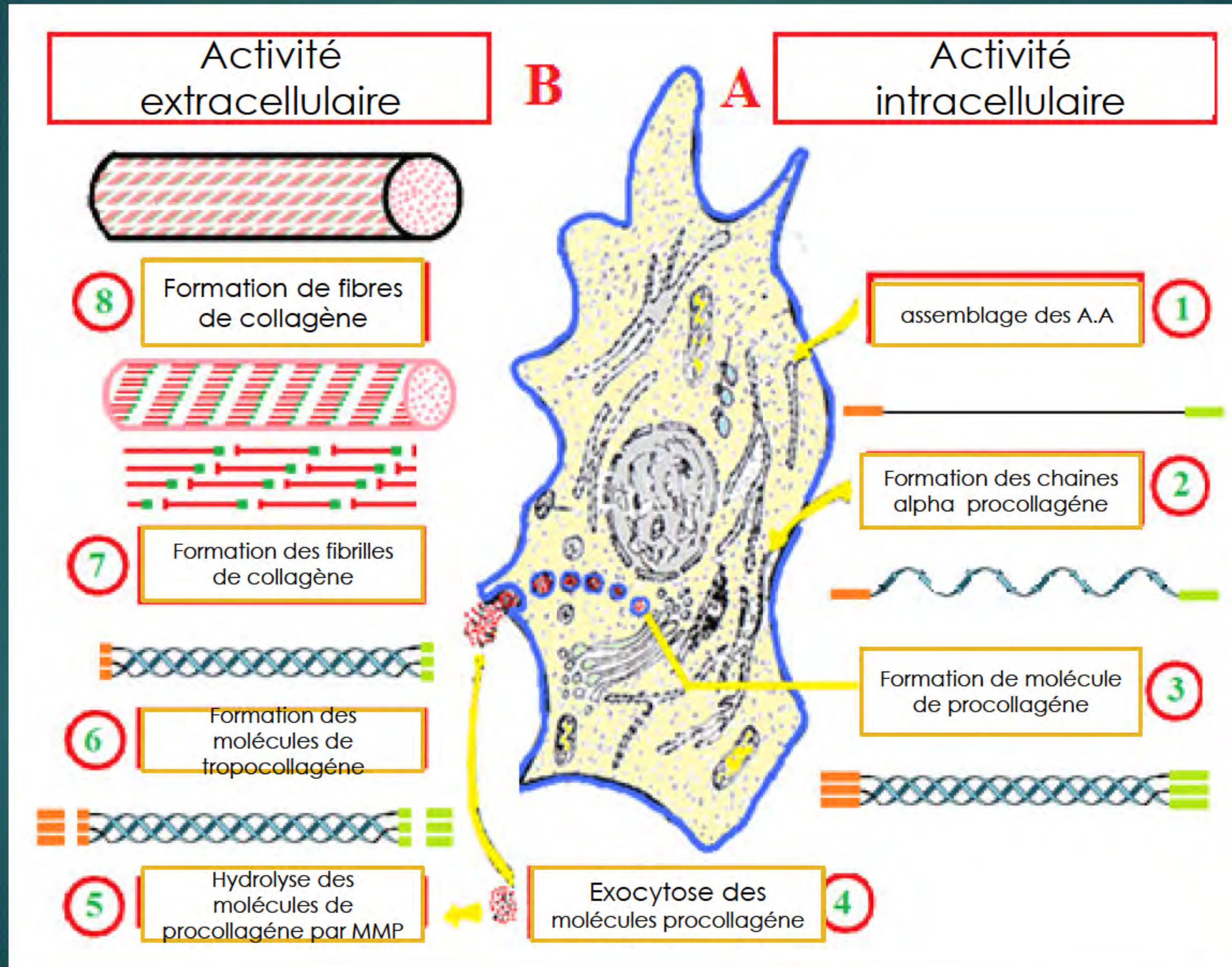

Les fibres élastiques.


Les fibres de réticuline.

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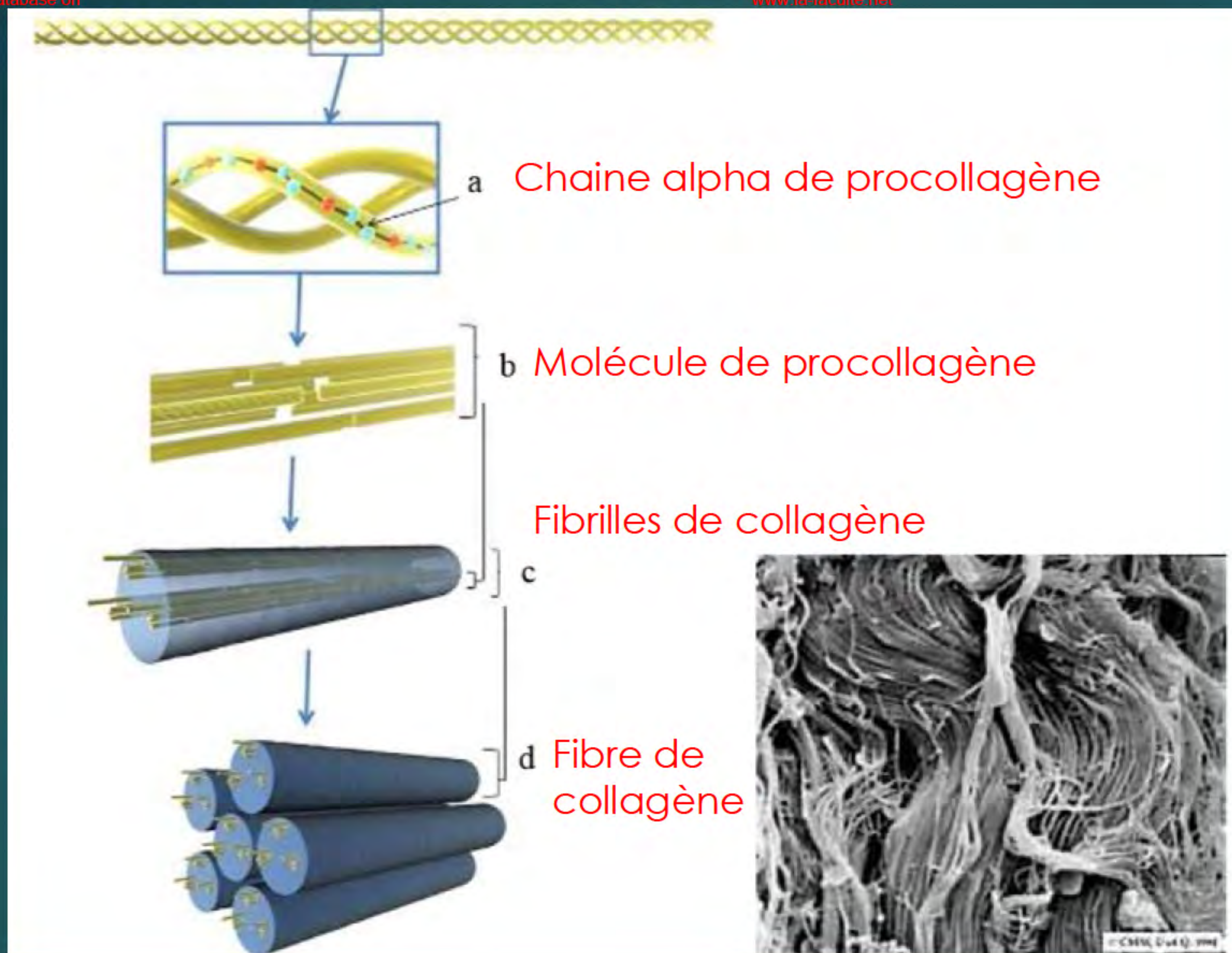
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La collagenèse



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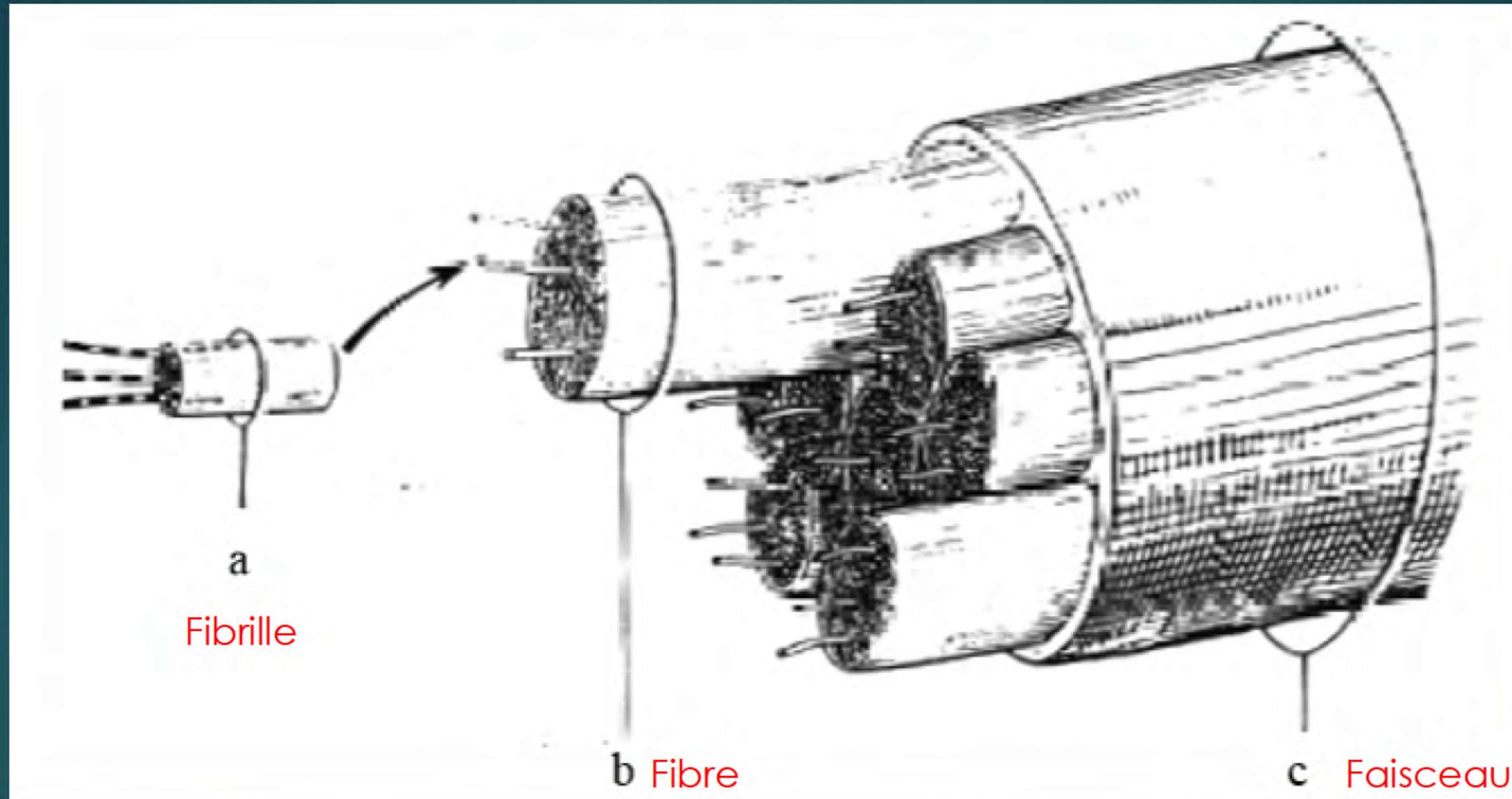


Ultrastructure des fibres de collagène.

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Organisation des fibres de collagène.



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3. Substance fondamentale.

- Substance liquide où baignent les cellules et les fibres conjonctives.
- Elle est sécrétée par les fibroblastes.
- Riche en eau, sels minéraux, protéoglycanes, glycoprotéines……

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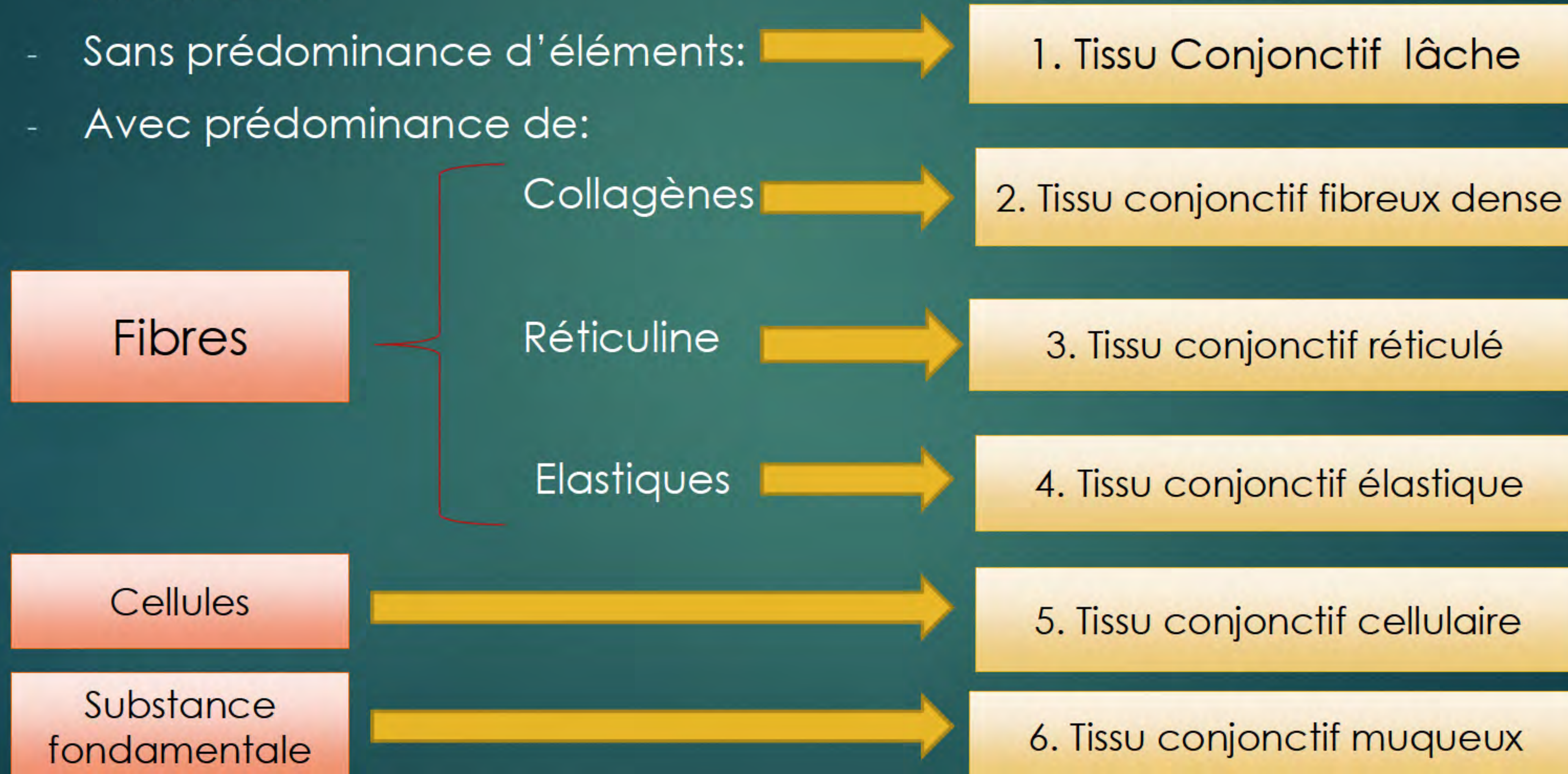
VARIETES DU TISSU CONJONCTIF PROPREMENT DIT.

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- En fonction des proportions des éléments constitutifs et de leurs propriétés, on distingue les variétés de tissus conjonctifs proprement dit suivants :

- Sans prédominance d'éléments:
- Avec prédominance de:



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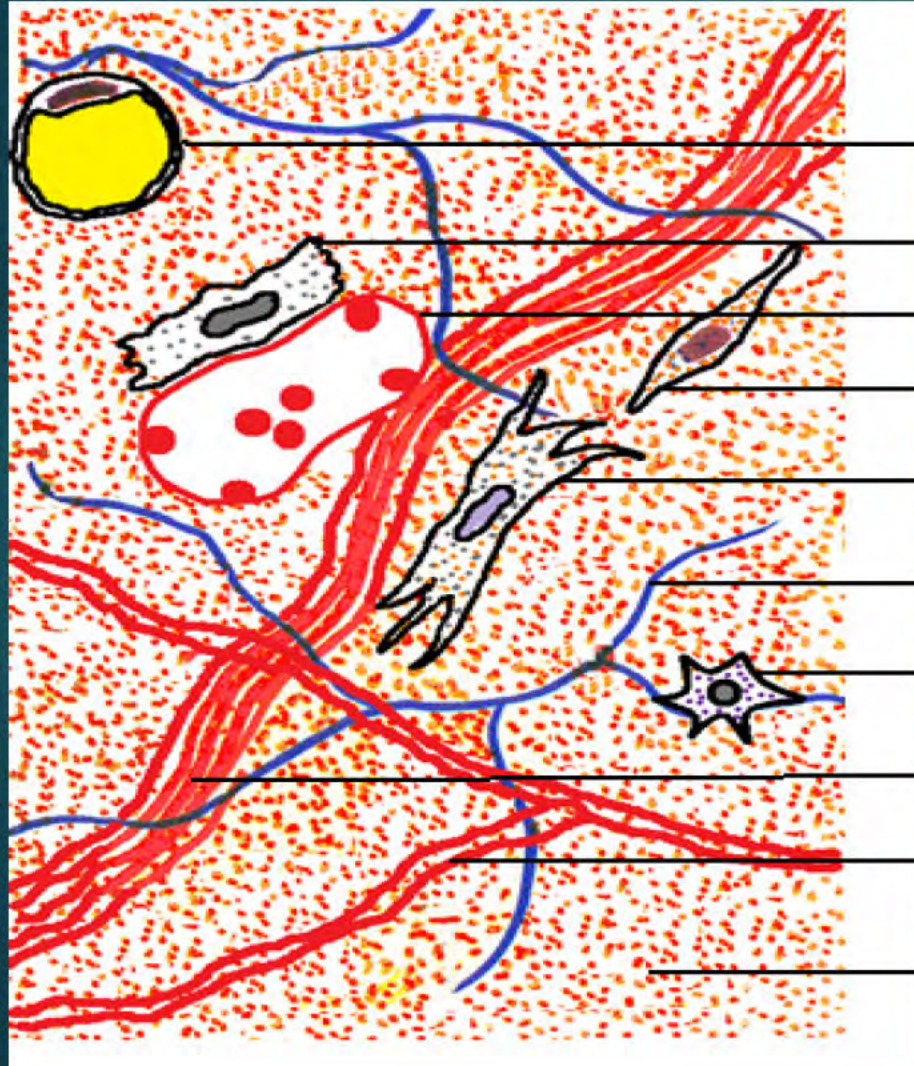
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1-Tissu conjonctif lâche: sans prédominance d'éléments

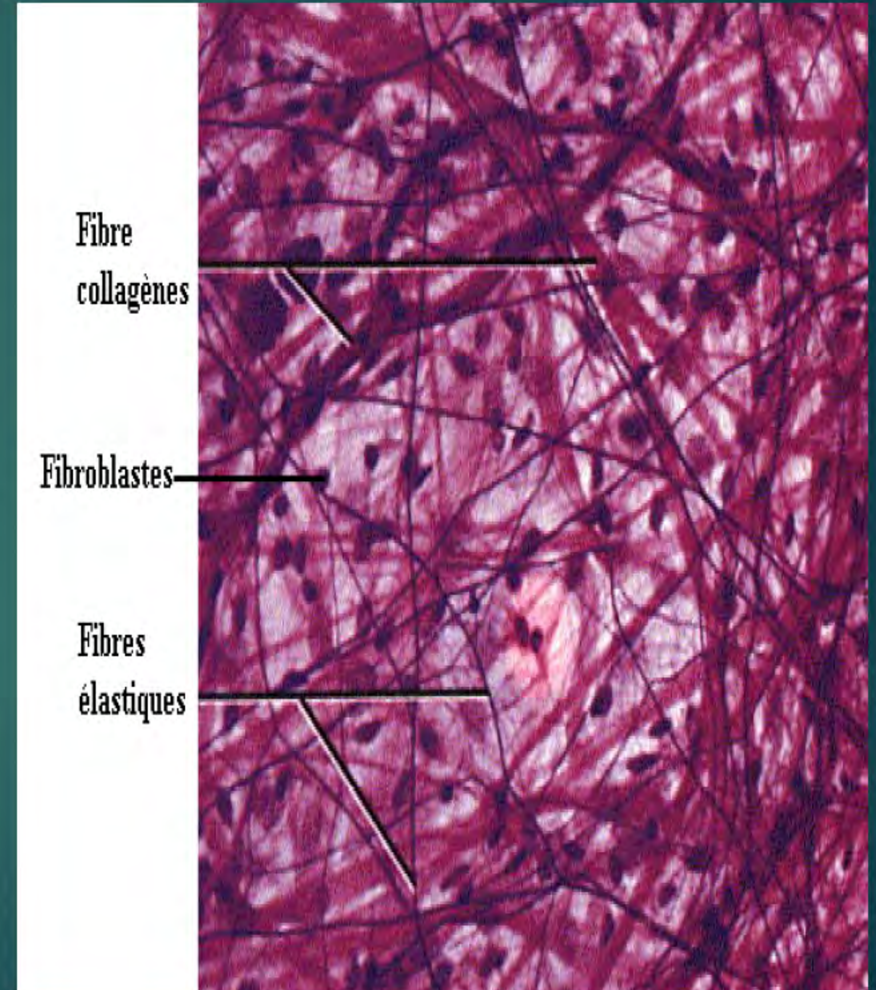
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Exemple: le derme et l'hypoderme



Adipocyte
Histiocyte
Vaisseau sanguin
fibrocyte
Fibroblaste
Fibre élastique
C.Mésenchymateuse
Fibre collagène
Fibre réticuline
Substance fondamentale



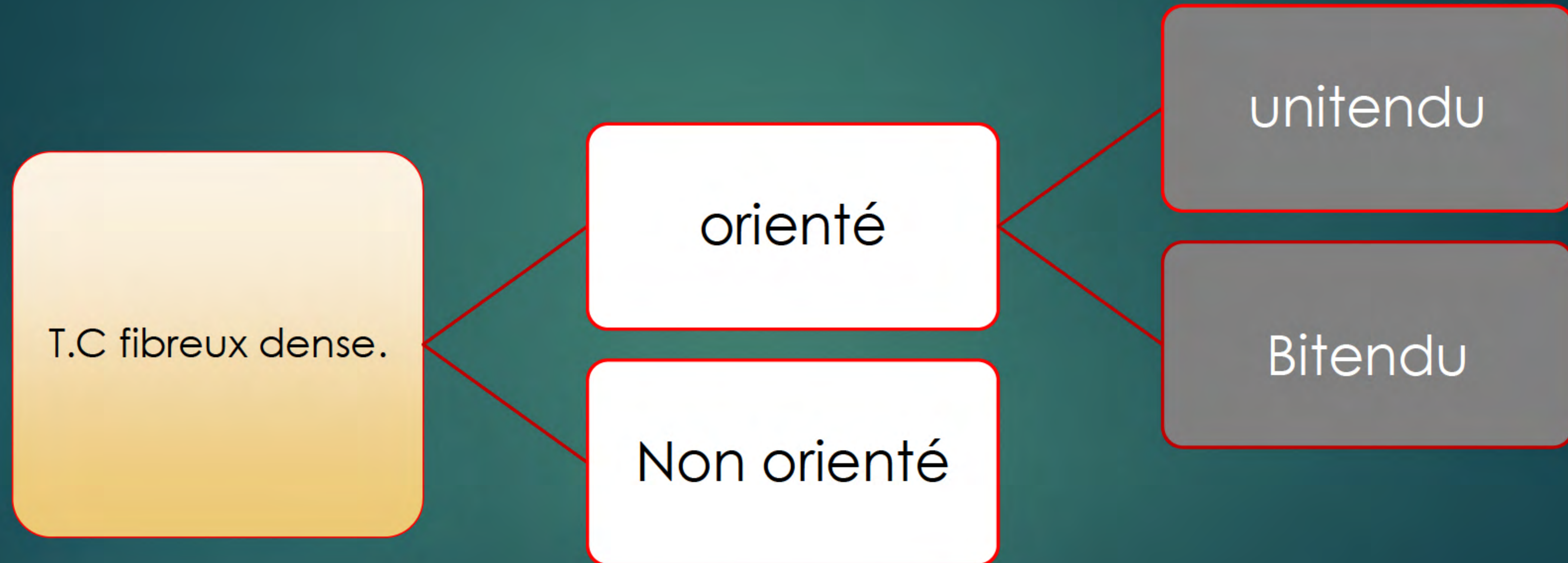
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2-Tissu conjonctif fibreux dense: prédominance de F. Collagènes.

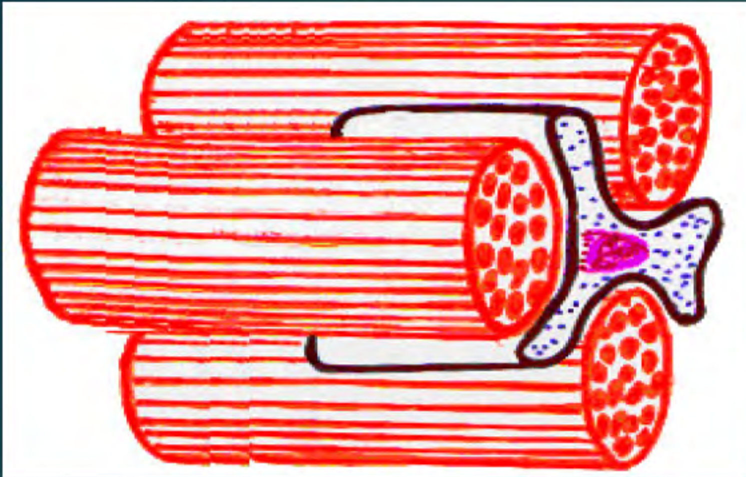
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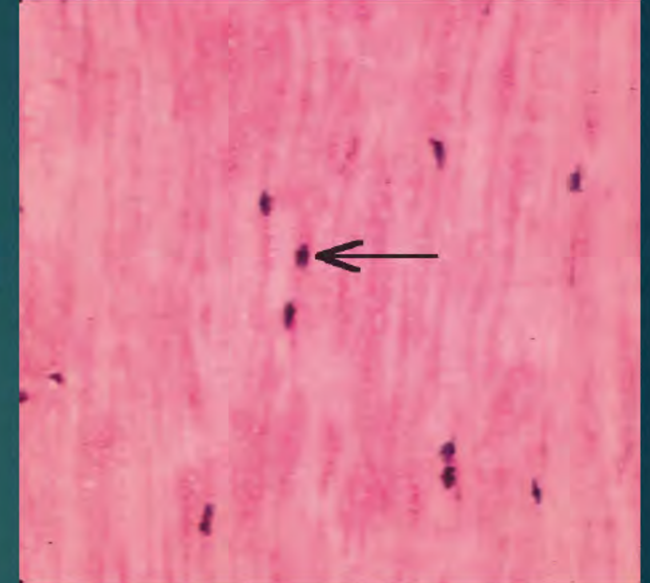


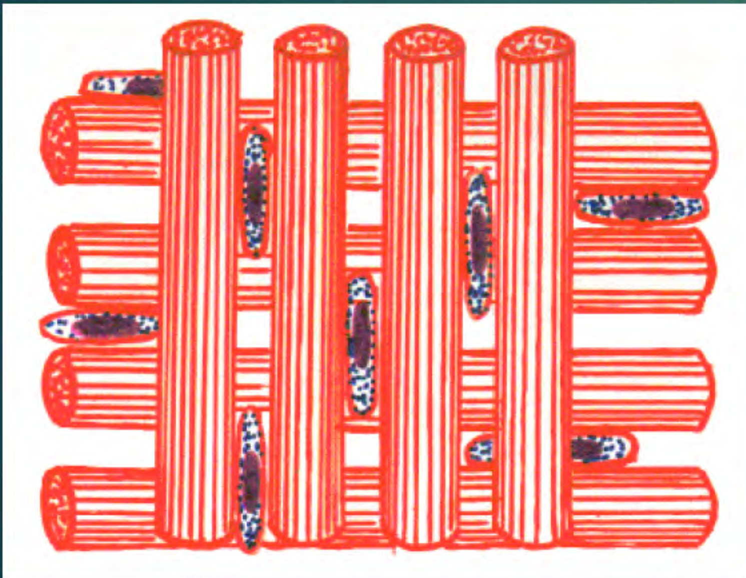
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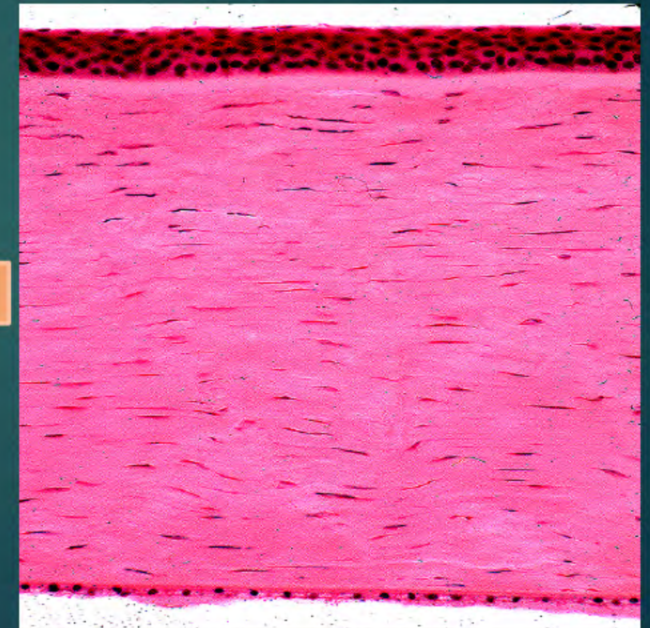


T.C dense orienté uni tendu (Ligaments, tendons)



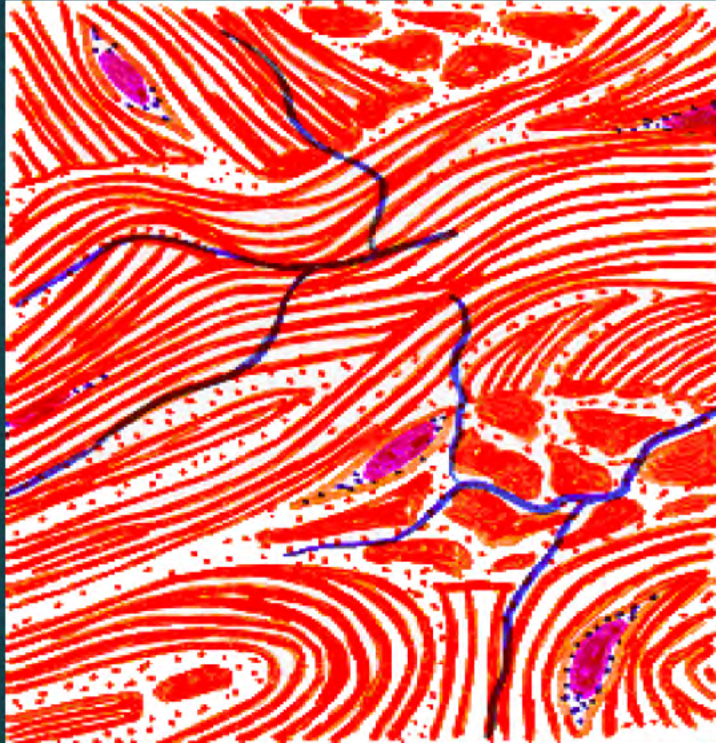


T.C dense orienté Bi tendu (Derme cornéen)

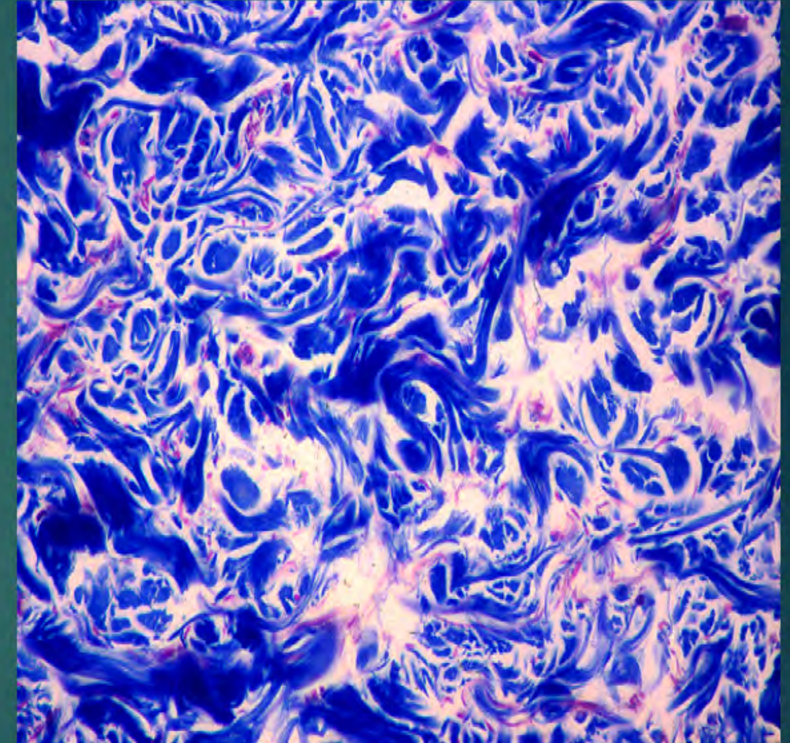


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Tissu conjonctif dense non orienté
(Capsule d'organes)

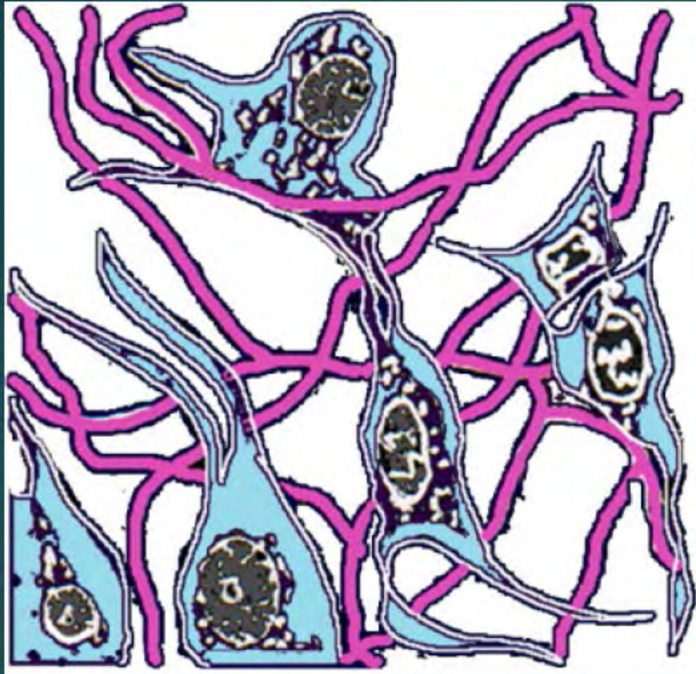


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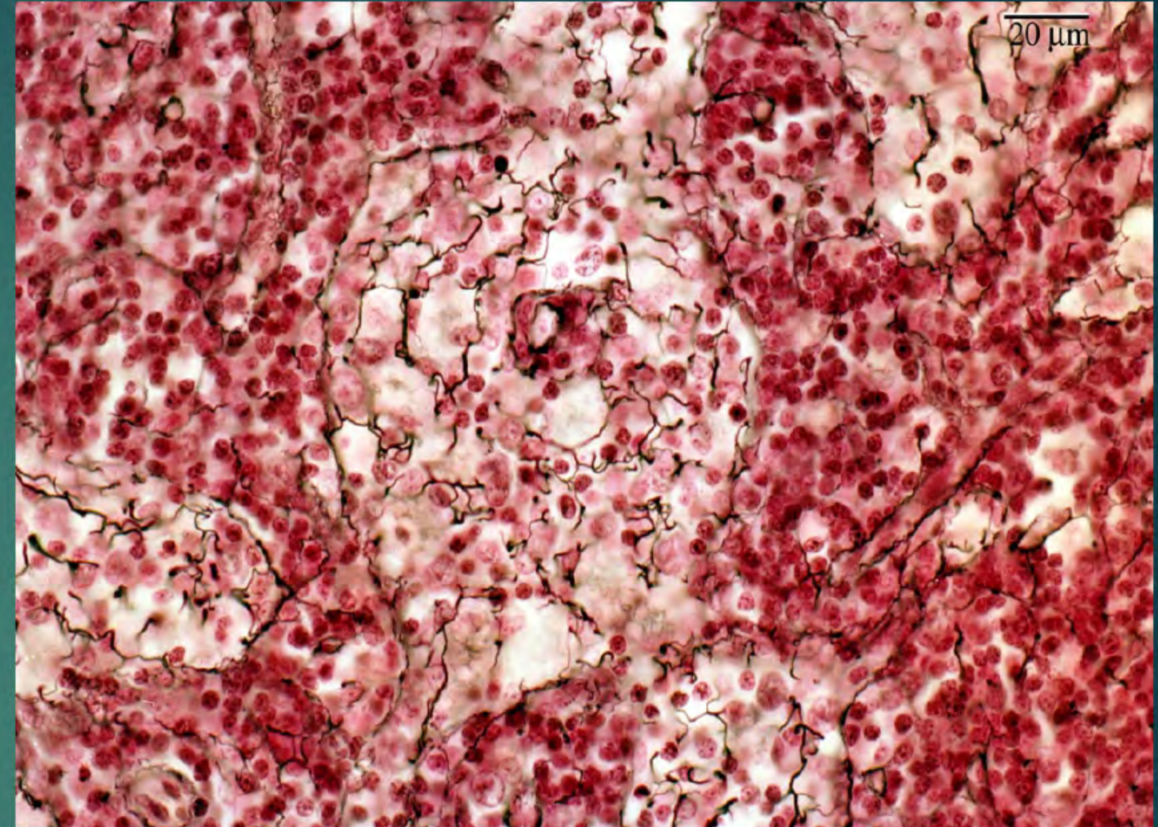
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3-Tissu conjonctif réticulé: prédominance de F. réticuline.

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Exemple: trame des organes hématopoiétiques.



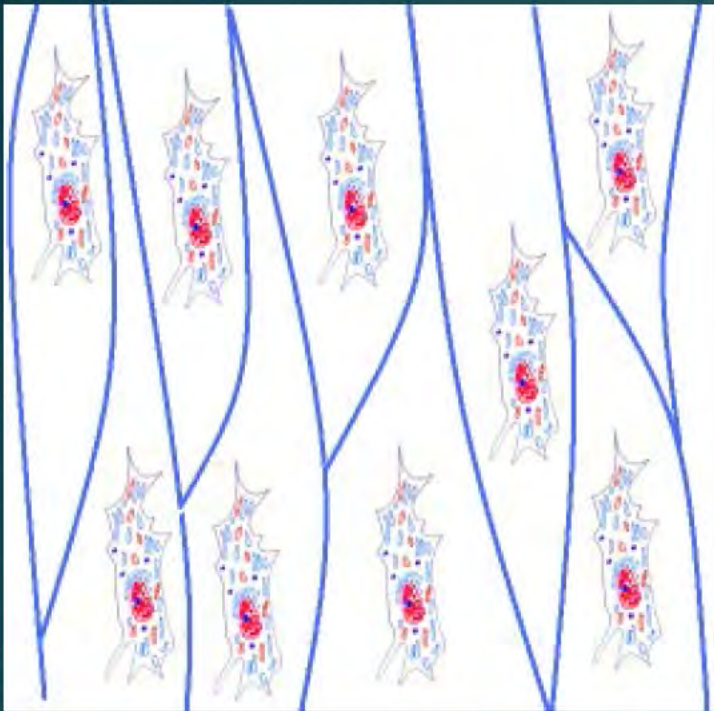
Fibres de réticuline et lymphocytes dans un ganglion lymphatique vues e, MO.

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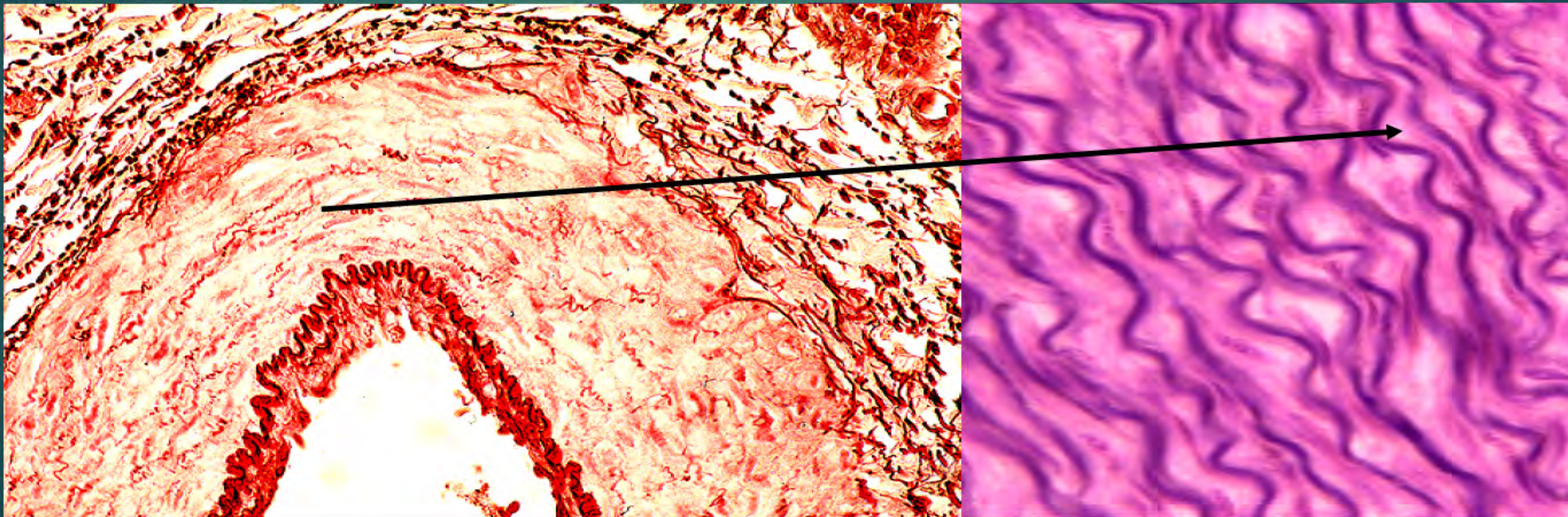
4-Tissu conjonctif élastique: prédominance de F. élastiques.

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Exemple: média des grosses artères élastique.



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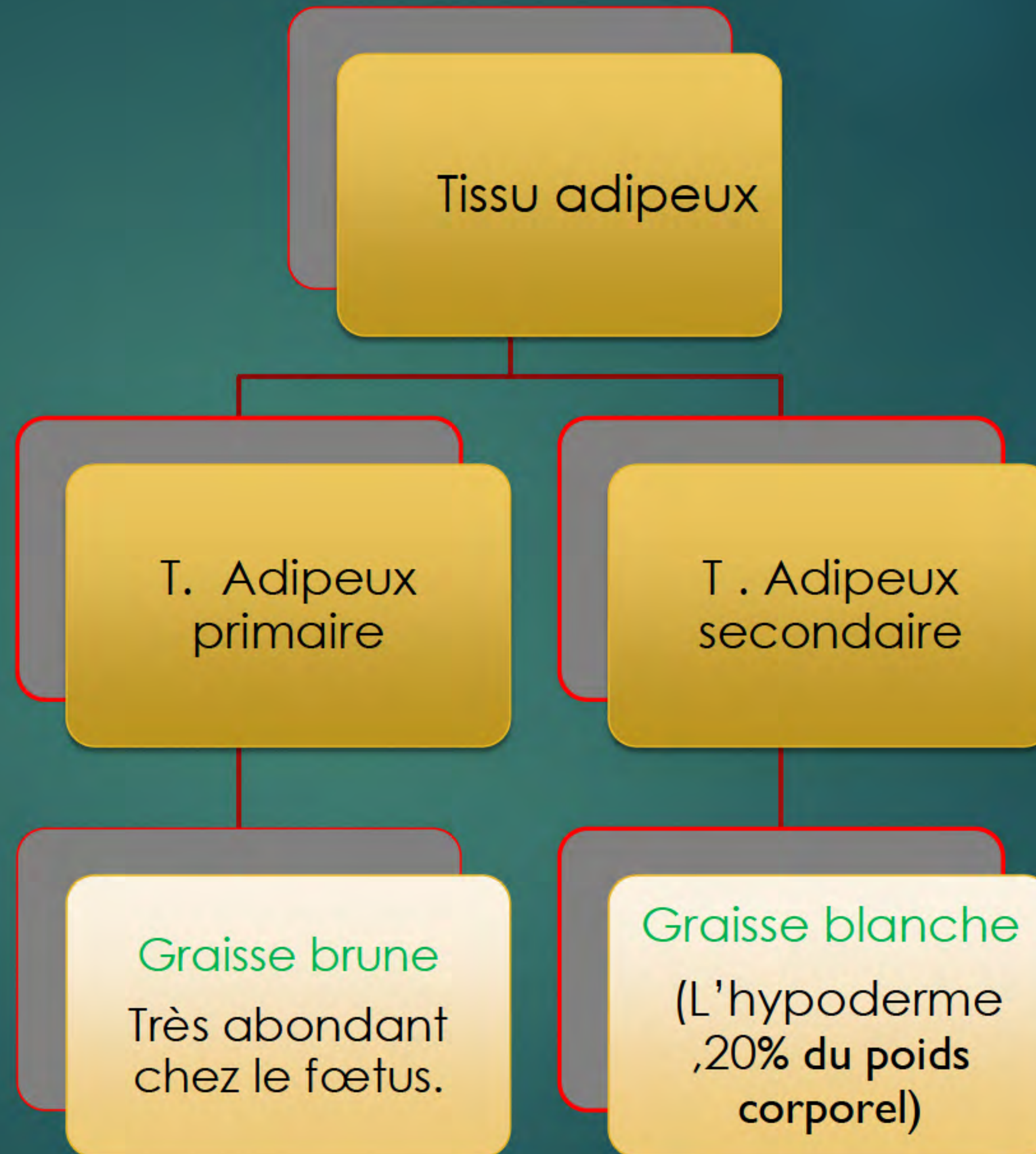
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5-Tissu conjonctif cellulaire: prédominance de cellules.

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Prédominance de cellules adipeuses: c'est le tissu adipeux.

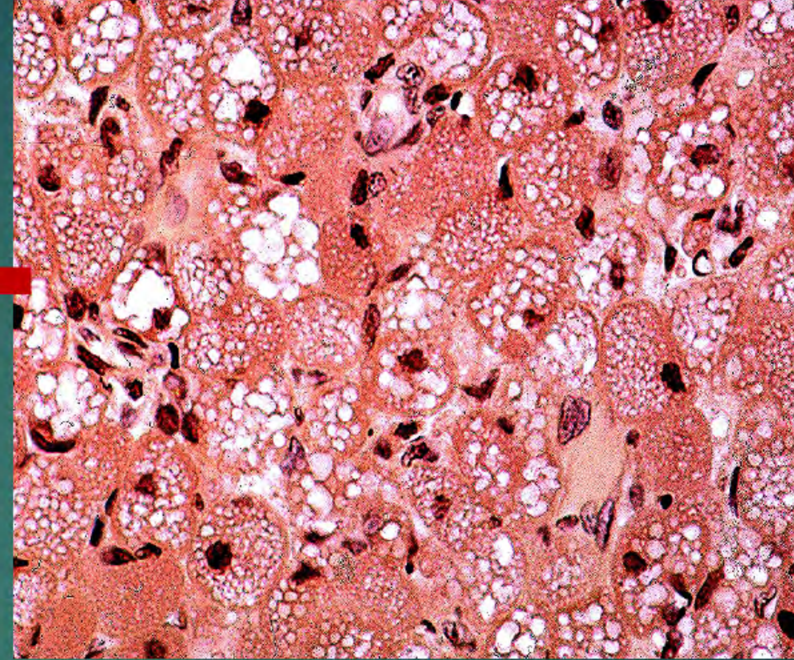


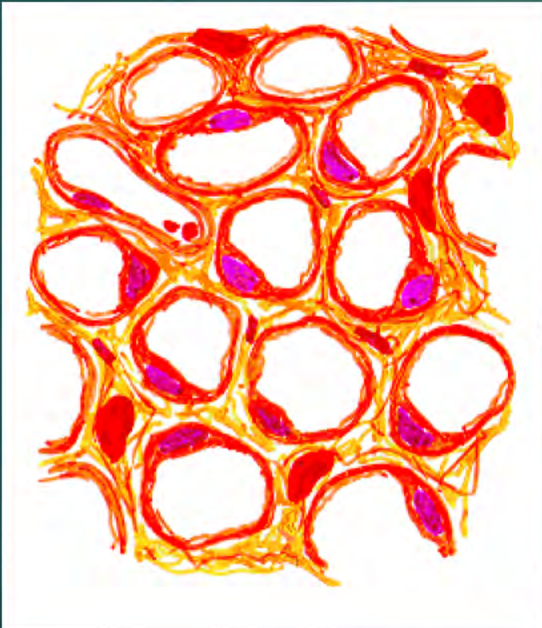
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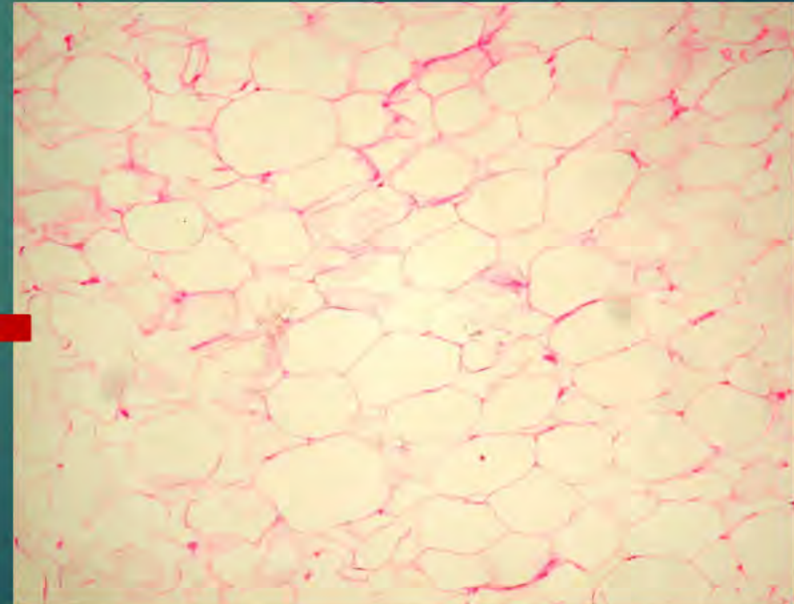


T.C adipeux primaire





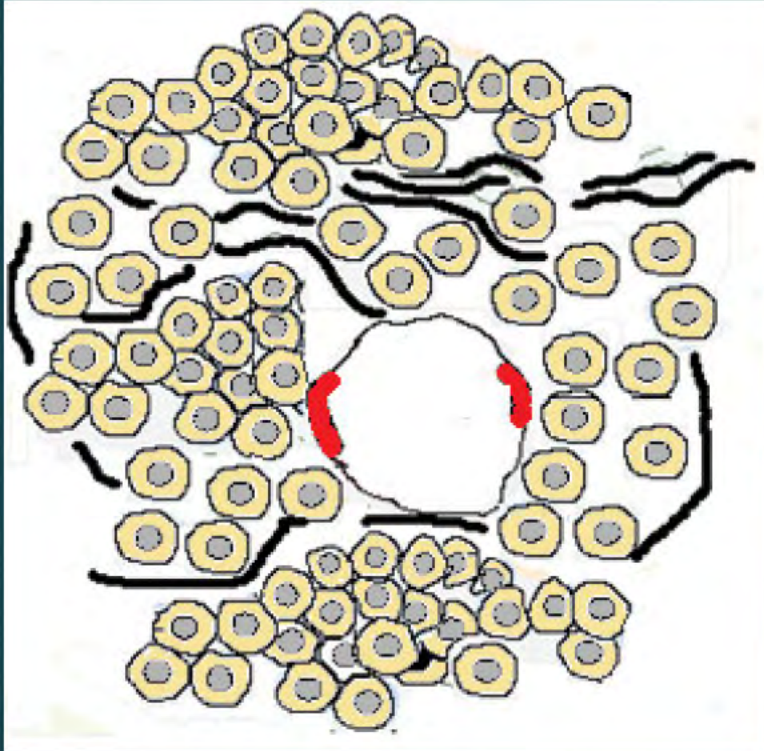
T.C adipeux secondaire



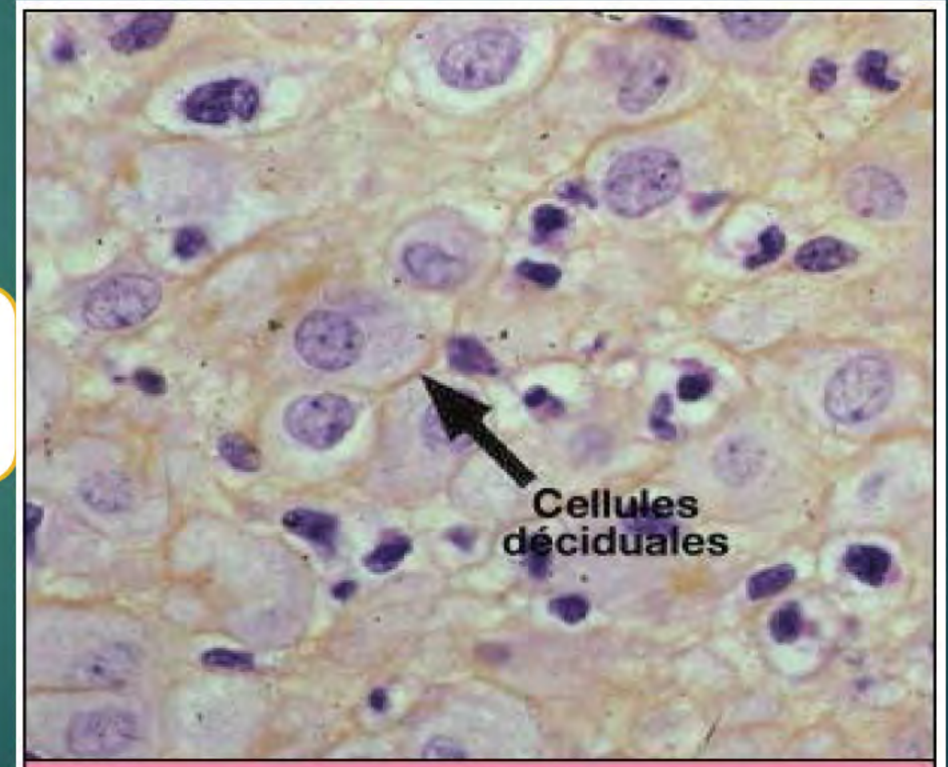
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Prédominance de cellules déciduales:
c'est le tissu décidual.



T . Conjonctif décidual (endomètre)



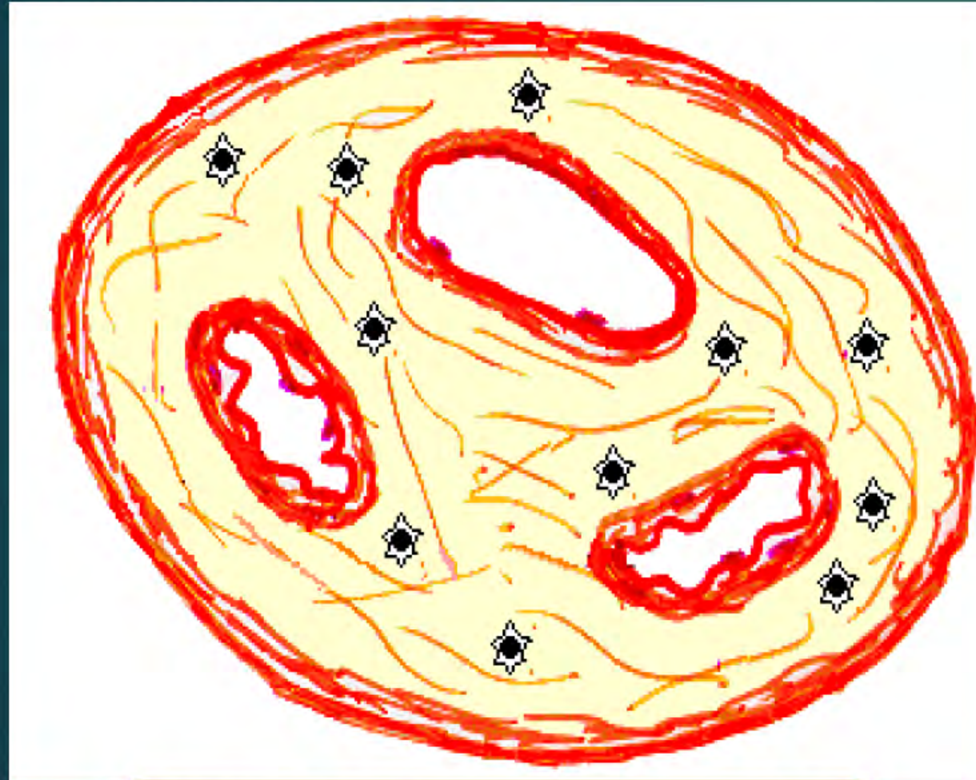
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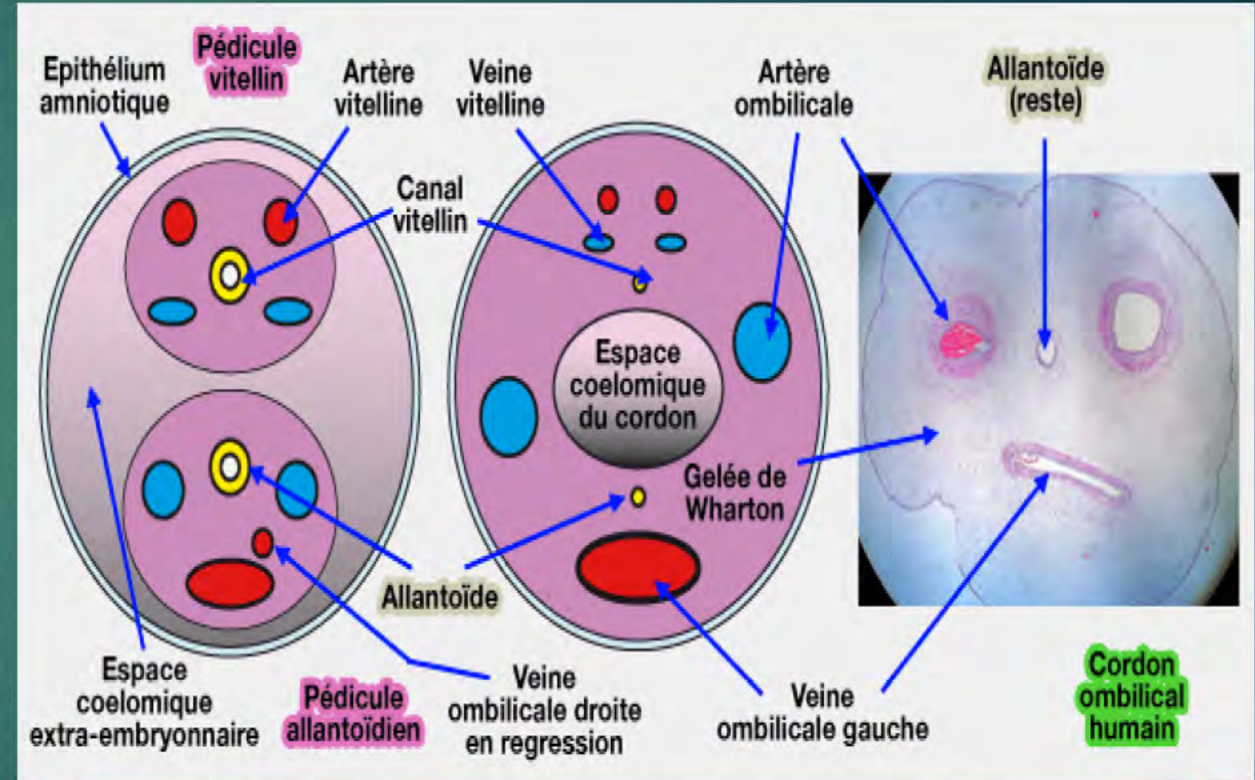
6-Tissu conjonctif muqueux: prédominance de substance fondamentale.

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T. Conjonctif muqueux (gelée de Wharton du cordon ombilical)



Coupe sagittale du cordon ombilical montrant la localisation de la gelée de Wharton

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